ulthera™ visionary aesthetic ultrasound

The Ulthera™ System *for* Ultherapy™

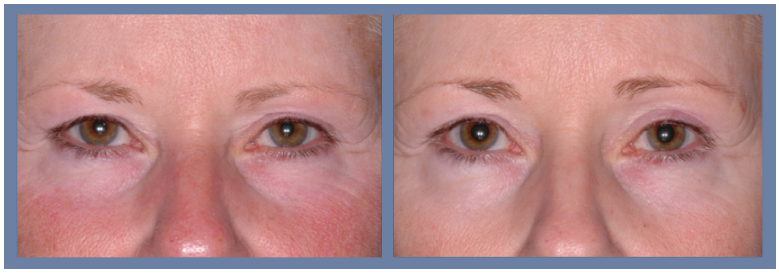
"Ultherapy™ adds a whole new category to the aesthetics industry… broadening the scope of what can be treated effectively and noninvasively"

– Rox Anderson, M.D., Boston, MA

The only ultrasound therapy for facial rejuvenation

With the advent of the Ulthera™ System, physicians now have an entirely new category of cosmetic procedure with which to counter the effects of aging on the skin – Ultherapy.

The Ulthera System combines ultrasound imaging and focused ultrasound therapy in a single, proprietary "see and treat" device.This affords the practitioner unprecedented control – and outcomes – when depositing energy into soft tissue to create thermal coagulation.



pre-treatment 90 days post-treatment

Eyebrow lift with one 30-minute Ultherapy treatment
(ref: Northwestern University clinical study subject)

Efficacy you can see

Clinical evaluation at Northwestern University demonstrated that one Ultherapy treatment can reliably produce significant tightening and lift over a period of 90 days.

89% of subjects showed clinically relevant change in maximum eyebrow height
86% of subjects showed clinically relevant change in average eyebrow height

The mean value of maximum eyebrow height change was **1.9 mm**
The mean value of average eyebrow height change was **1.7 mm**

Photographs revealed **less hooding** and a **more open look** to eyes

Firmer, tighter, better-fitting skin was reported, as well as a **more refreshed appearance overall.**

(ref: Alam M, et al, Safety and Efficacy of Transcutaneous Ultrasound For Forehead, Cheek and Neck Tissue Tightening. Presented at ASLMS 2007)

Safety you can trust

Clinical studies have shown Ultherapy to be a safe procedure, with tens of thousands of treatment lines delivered to date.

Extensive preclinical and clinical investigations were conducted at the following institutions:

- Massachusetts Eye and Ear Infirmary, Harvard Medical School
- Wellman Center for Photomedicine, Massachusetts General Hospital
- Skin and laser clinic of dermatologist affiliated with University of Minnesota
- Northwestern University School of Medicine
- University of California at San Diego

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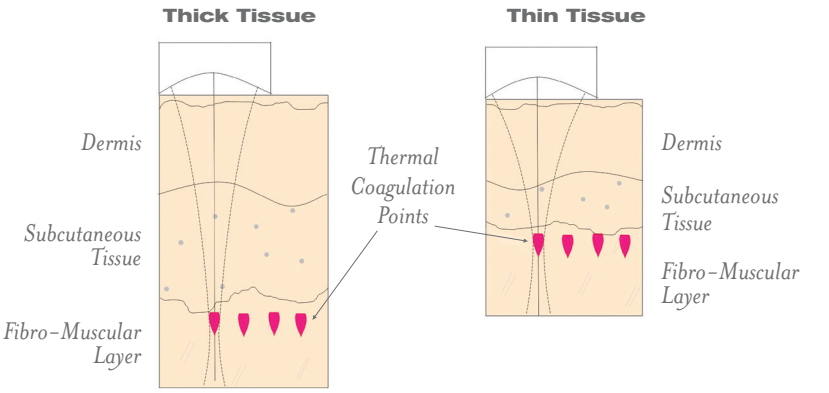
The DeepSEE™ Difference

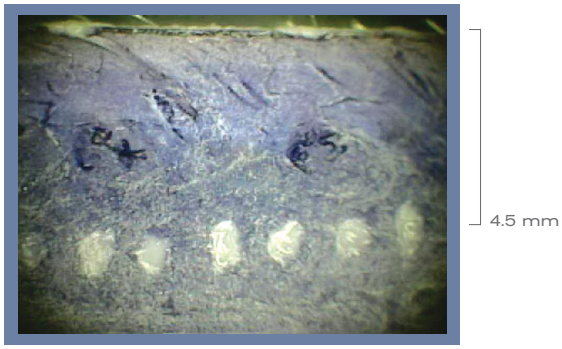
Ulthera's patented DeepSEE™ Precise Focused Ultrasound with Visualization (PFUV) is the innovation behind the safety and efficacy with the Ulthera System.

The therapeutic capability allows the selective delivery of acoustic energy deep in the soft tissue with programmable precision and focused efficiency, while sparing the intervening tissue.

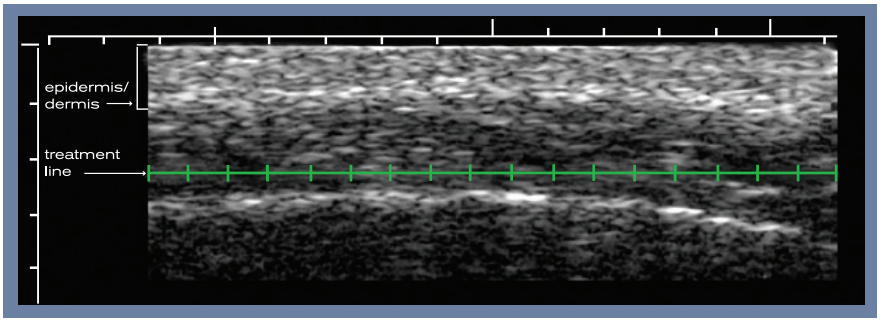
Creates discrete thermal coagulation points (TCPs) approximately **1 mm³** in size
Delivers in **25mm** lines (or shorter) consisting of 17 evenly spaced TCPs
Deposits energy **at a fixed depth** below surface of the skin, as defined by transducer
Thermal effect **does not spread** beyond individual lesions or targeted horizontal plane



Geometrically focused energy at depths based on tissue thickness



Consistent placement of thermal lesions at depth in porcine skin



Imaging capability:

- novel in-office tool for seeing deep within the skin and subdermal tissue
- high resolution scan of tissue up to 8 mm
- ensures optimum placement of energy

< Image of layers of soft tissue and nominal treatment depth

The specificity of DeepSEE ultrasound makes the Ultherapy procedure easy to incorporate into the regimen of both the practice and the patient

- can be completed in 30 minutes
- is tolerated without anesthesia
- no skin cooling required
- patient has no social downtime

The Ulthera System Components

Ulthera Control Unit
- tabletop unit for flexibility
- touch screen interface
- platform for future applications

	English	Metric
Height	15.3"	38.9 cm
Width	16.5"	41.9 cm
Depth	13.0"	33 cm
Weight	22 lbs	10 kg

DeepSEE Handpiece
- accommodates transducers
- integrated See and Treat buttons

	English	Metric
Weight (with cable & transducer)	1.5 lbs	.7 kg

DeepSEE Transducers
- multi-patient use
- region-specific

Transducer	Frequency	Treatment Depth	Image Depth
DS 4-4.5	4 MHz	4.5 mm	up to 8 mm
DS 7-4.5	7 MHz	4.5 mm	up to 8 mm
DS 7-3.0	7 MHz	3.0 mm	up to 8 mm

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